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(21) International Application Number: PCT/CA96/00297 (22) International Filing Date: 10 May 1996 (10.05.96) (30) Priority Data: 9509461.1 10 May 1995 (10.05.95) GB (71) Applicant (for all designated States except US): IMMUNOVA [CA/CA]; Bureau 110, 2750 rue Einstein, Sainte-Foy, Québec G1P 4R1 (CA). (72) Inventor; and (75) Inventor/Applicant (for US only): GAGNE, Marc [CA/CA]; 913 rue Pellan, St-Jean-Chrysostome, Québec G6Z 2S8 (CA). (74) Agent: COTE, France; Swabey Ogilvy Renault, Suite 1600, 1981 McGill College Avenue, Montréal, Québec H3A 2Y3 (CA).		(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the</i> <i>claims and to be republished in the event of the receipt of</i> <i>amendments.</i>
(54) Title: ANIMAL GENE THERAPY (57) Abstract <p>The present invention relates to DNA sequences, expression cassettes and DNA constructs for use in therapy, specifically in gene therapy for the treatment of infectious diseases such as mastitis. Also included are pharmaceutical and veterinary compositions containing the constructs, and cells which have been transformed with the DNA and which are suitable for implantation into a host mammal. The gene therapy of infectious diseases can be effected <i>in situ</i> in targeted tissue or systemically.</p>		